Social Studies Lesson Plan

For Demonstration of the Instructional Model: Engaging, Teaching, and Assessing with
Technology and Online Resources Integration

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Lesson Topic	Water Cycle
Unit	Natural Resources
Subject Area	Geography, Sciences
Grade Level	4-5th
Time	45 minutes

PA Standards

7.2.9. B Explain the dynamics of the fundamental processes that underlie the operation of Earth's
     physical systems.
         • Water cycle
S4.A.3.3.1: Identify and describe observable patterns (e.g., growth patterns in plants, weather,
         water cycle).

NCSS Theme
People, Places and Environment

Objectives
In this lesson student will understand the dynamics of water cycle by playing the games and
learning the terms -- evaporation, condensation, infiltration, runoff, and freezing.

Engaging
Warm up questions to guide student brainstorming

- Where does water come from?
- Where does rain come from?
- Where does snow come from?
- Where does the water in the river go?
- How do plants get water from underground?
- Why is there water in the sky?

Watch Video: Water Cycle
http://www.youtube.com/watch?v=v4wlVJCAbfk&feature=related

Teaching

Facilitate discussion on personal experiences about water cycle.

- Rain/snow falls
- Water goes to rivers, rivers go to lakes, seas or oceans
- Water sinks into ground
- Water is evaporated into air
- Water is drawn by plants
- Plants withered under hot sun
- …

Guide students to read online text and play the online games.

- The Water's Multi-phased Journey
  http://earthobservatory.nasa.gov/Features/Water/water_2.php

- Water Cycle on Earth (with narration)
  http://www.epa.gov/safewater/kids/flash/flash_watercycle.html

- Water Cycle Diagram
  http://earthguide.ucsd.edu/earthguide/diagrams/watercycle/index.html

Assessing

- Online quiz
  http://earthguide.ucsd.edu/earthguide/diagrams/watercycle/index.html
- Interactive word scramble game
  http://www.epa.gov/ogwdw/kids/flash/flash_wordscramble.html